W6NWG W6NWG W6NWG W6NWG

Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073

SEPTEMBER **** 1995 ** 59 YEARS OLD
Dues $12, Volume XXI Number 9
Coffee 7pm, Mtg. 7:30 pm @ Carlsbad Safety Center(CSC), Palomar Airport Rd.to N.on Camino Real(S11),east on Faraday .25 mi,left to CSC,TB 14F6.
========== Talk-in 146.73 =========

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OPEN REPEATERS / CLOSED AUTOPATCHES
PARC PALOMAR MT.REPEATERS(W6NWG):
PARC Trustee of W6NWG: Ron,WI6B
*52.680- W6NWG,-.500 MHz(test)
Autopatches(4): 146.730-, *147.075+
*147.130+, *449.425-
PKT: 145.050s PALMAR W6NWG-1 Open
(linked PARC 9600 METROLINK)
146.700(-) Duplex BBS/EMG use
145.070/146.700 W6NWG-3/PALBBS
KJ6ZD SYSOP(QTH Vista)
ATV IN:915 WBFM,919 AM,2441.25 WBFM
Intercom: 146.430, PL 79.7 NBFM
OUT: 1241.25 AM ///// *=107.2Hz
OTHER:*224.380- KK6KD;*224.9-WD6HFR
*146.175+ WA6IPD, FalbrkPatch

%%%%%%%%% C A L E N D A R %%%%%%%%%

Sep 1-3 ARRL SW DIVISION CONVENTION
Sep 6 Wed.CLUB MEETING, ...
Sep 9 Sat.PARC VE Tests Carlsbad SC
Sep9/10NorthIsland Special Olympics
Sep11 GENERAL CLASS starts at CSC
Sep Hidden Xmtr Hunt Ramona ROARS
Sep14 Thu.PARC 7pm Board Mtg WB6PKK
Sep16 Pacific Crest 50 mi Trail Run
Sep16 Amateur Radio Awareness Day
Sep16 Pacific Crest Trail 50 mi.Run
569-9443 or Pkt KD6BFO-1 145.630

$ep17 PARC PICNIC DIXON LAKE-PRIZE$
(participation ticket$ at picnic)

Sep22/26 SCOPE (deadline/mailing)

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L A S T M E E T I N G

ONE-HUNDRED-NINETY-ONE! WOW! This is a record that will be hard to beat!

Gordon West, WB6NOA, gave us a most interesting program on the trapping of frequencies 2m and above by inversion layers resulting in a pipeline to Hawaii. His humor, knowledge, and expert delivery made this an outstanding meeting. Every seat was taken and it was "standing room only" in the rest of the big room.

Gordon recognized the Old Timers (OT) and was surprised by the number present. Earl, W6YYV, (of course) was acknowledged as having a license the longest having been first licensed in 1926 when he was 18 years old. Earl was given the opportunity to show his skill at sending Morse Code with Gordon's Spark Gap (or was it pickle gap?) transmitter.

Not only did Gordon present the meeting but he brought along many goodies for the club: books, license manuals, and loads of copper grounding strap for the repeater site (looks as if Gordon read the August SCOPE -Ed).

SHOW and TELL: Stan-W9FQN with battery voltage indicators for PARC's three autopatch centers; Ken-WA6BCC, Red Flag; Pat-WA6MHZ, Ham Radio Roundup Oct.29th; David-KC6YSO, ARES newsletter; John-N6URW, RACES & new van; Jo-KB6NMK, N6ELP's moving to Norway; Art-KC6UQH, Charles-N6TEP's devotion to evening traffic net; & Ellen-N6UWW, latest FD results & praise for Dennis-N6KI for finishing the point tally sheet for ARRL.

Bill-KB6MCU and his camera crew made a video of the meeting. =PARC=

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NEXT MEETING VPres. Sybil-W6GIC

PLEASE COME EARLY and help set up chairs ..and STAY A FEW MINUTES to help put away the chairs. WE NEED HELP!

Club meetings start at 7:30pm but many come at 7pm to talk to friends, get a good seat, look at items on the junk table, see equipment as it is being set up, watch demos (ie. packet), and pick up some of the FREE magazines.

SHOW & TELL: Please see me before the meeting to reserve time for your SHOW & TELL item(s).

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P I C N I C Mike-AB6QT

PARC's annual picnic will again be at Dixon Lake on the north edge of Escondido on Sunday, September 17th, within 100' of the entrance to the park (Poppy 1, 2, 3, & 4).

There will be PRIZES, SEMINARS,

JERRY MAN, K9AAH, FCC ENGINEER

just retired, will speak on THE FCC AND HOW IT INTERACTS WITH THE PUBLIC AND AMATEURS. Jerry has worked for the FCC for the last eight years. Earlier, he had his own Communications business. He also worked for Allied Radio as Chief Engineer designing the Knight Kits. His hobbies are reading non-fiction books, working with computers, and of course, Amateur Radio. Come to the meeting and hear all about the FCC.

HIDDEN TRANSMITTER HUNTING, GOOD FOOD, TRANSMITTER CHECKING, and GOOD FELLOWSHIP.

Take I-15 going north out of Escondido, east on El Norte Parkway (exit) several miles, north on La Honda, enter park ($1/car unless you are a senior), turn right about 100 feet and the park area is on the left.

If you park just outside the park entrance, you can save $1 per car and just walk into the first parking area where all the antennas are. The inside parking lots fill up early. Sometimes by 9:30am so come early.

The club will provide "ham" (eating kind) punch, Palomar Mountain Cool Clear Water, plates, and utensils but you can bring your own utensils if you don't like a picnic atmosphere.

YOU WILL NEED TO BRING ADDITIONAL FOOD ACCORDING TO THE FIRST LETTER OF YOUR LAST NAME and since you are bringing ONLY ONE DISH, bring enough of the assigned food TO FEED YOUR FAMILY PLUS 6 MORE. Hams get hungry!

PLEASE NOTE THAT YOU CANNOT BRING (or buy) ANY ALCOHOLIC DRINKS: beer, wine, hard spirits, etc. This is a park rule enforced by the park rangers who are prepared to arrest you.

A->F, bring a hot dish
G->M, bring a salad
N->Z, bring a desert

If you have problems in bringing your assigned dish, we suggest that you pick another dish or bring chips, ice cream (iced), apples, etc.

PLEASE take SMALL PORTIONS your FIRST TIME through the serving line so that everyone at least gets a chance at their favorate dish.

Sometimes there are not enough places to sit except on the ground. If you are arriving late, we suggest that you might want to bring a folding chair along with a folding table and/or a blanket. PARC can reserve the small pavilions but not the tables next to them ..so you had better get there early to reserve "your spot."

RULES ARE ABOUT THE SAME AS ALWAYS:

1)participation tickets must be picked up AT THE PICNIC by YOU or by YOUR representative who must have a WRITTEN and SIGNED permission slip to pick up the tickets AND any prizes that you might win. A participation ticket list is on page 10.

2)you will receive tickets (MAXIMUM 20) for participation in designated club events from Aug.1st 1994 to Jul.31st 1995 (see ATTENDANCE article pg.9).

3)the drawing will be at the club picnic at 1:10pm.

4)you or your representative must be PRESENT to win by showing a MATCHING ticket stub with the winning CALLSIGN or member's name on it.

5)you are limited to winning only ONE PRIZE even though your ticket is drawn several times (sorry).

6)you must be a present member of PARC in good standing before tickets can be given to you. New members listed after July 31st '94 will not have tickets.

7)the prizes are-

P R I Z E S

1 ea - $100 gift certificate
1 ea - $ 50 gift certificate
4 ea - $ 25 gift certificate
1 ea - $ 5 Stamp Pin
1 ea - Radio Range Meter
MANY assorted small items too humorous to mention

Children are welcome but you will need to watch and entertain them yourselves. There is a playground for them near the pavilion and there is a playing field for soccer, volley ball, softball, horse shoes, etc. but you will need to bring all of the equipment needed. There are also hiking trails down to the lake but someone should go with them. Its warm and the "little crawly" things are probably about. Rental boats at main dock.

THE PROGRAM WILL BE -

TRANSCEIVER CHECKING: Mike-AB6QT will check frequency, deviation (voice and PL) of 70cm transceivers and HT's while John-WB6IQS will do the same for 2m units. Here is your opportunity to see if your rig(s) are working properly. The results might explain why you might have problems getting into PARC's autopatches.

AUTOPATCH: instruction on how the autopatch systems works, how to use it, and problems you might be experiencing.

DFING: instruction on how to use your HT for locating hidden transmitters along with information on DFing beams. A hidden transmitter hunt will be held after the instruction. Jo-KB6NMK and Ellen-N6UWW, both noted DFers, will conduct the class and hunt.

SAN DIEGO COUNTY TRAFFIC NET: information on message handling, discussion of SDCTN problems, packet and BBS integration into the system, with suggestions and comments by those attending ..conducted by Stan-W9FQN, Tuck-KC6ZEC, Wayne-WD6AHX, Charles-N6TEP, Norbert-KJ6ZD & others.

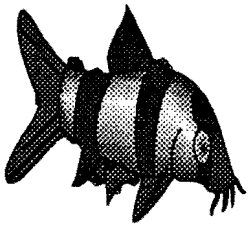
ARES/RACES/EVAC: Sign up with David-KC6YSO and/or Jo-KB6NMK.

ARRL MEMBERSHIP INFO: Harry-WA6YOO and Ralph-KC6WAN.

TICKETS: 1994-95 participation tickets from Stan-W9FQN (yellow box) and crew.

9:00 Arrive and set up.
9:45->?HT/Mobile Health Check
9:45 ARES/RACES/EVAC signup
10:00 Traffic Handling Forum
11:15 Autopatch Instruction
11:30 Direction Finding(DFing)
12:00 Eats (low cal, low fat)
12:00-12:59 Pick up ur tickets
1:00 Pres. comments KC6UQH
1:05 Drawing of prize$ $$$$$$
1:15 ARRL Membership Info by Harry-WA6YOO/Ralph-KC6WAN
1:30->? Hidden Xmtr Hunting
1:30->? PARC BOARD available for questions/comments

PARC hopes that many of you will be able to attend the club's picnic. It should be a lot of fun ..and you might learn something. The picnic is a great opportunity for you to talk to the board members and club officers, to know other club members and their



SPORTFISHING

ON THE WINDSONG
Oscar Olson KE6EDC, Captain
619-673-9201

families, and to learn more about your hobby in a more personal way ..and receive a PARTICIPATION ticket for next year!

SK-%%%%%%%%%%%%-SK-%%%%%%%%%%%%-SK

FRANK RAMMEY, WB6HSZ

Died of cancer Aug13th. He was a long time member of PARC,RACES,ARES and contributed a large number of batteries to the club.

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PRESIDENT'S WAVELENGTH, Art-KC6UQH

Congratulations to Kerry, N6IZW, for his contact to San Francisco on 10 GHz during the Microwave Contest on the weekend of August 19 & 20. I believe it might set a record for a contact within the State of California. Kerry has been active in getting several members in the San Diego Microwave Group operational on 10 GHz using SSB technology this year. The second part of the contest is scheduled in September. Check into the Microwave net on Monday nights at 9:00 P.M. on 146.730 for more information.

I would like to congratulate our Board of Directors for a job well done.

Sybil, W6GIC, has done an outstanding job bring us some fantastic speakers this year. Last Month 191 people signed in for our August meeting and I expect several forgot to sign our sign in sheet. Sybil is working on a new banner for our club to be used at our meetings and the Round Up at Missile park.

Jennifer, KM6WG, has done an outstanding job keeping our treasury even while having a Baby and moving to a New QTH all in a two week period.

Dave, KC6YSO, has done an outstanding job as secretary as well as helping Bill, KC6YOX with our 6 Meter repeater and being active in ARES. Dave is also a regular at our repeater work parties.

Ralph, KC6WAN, (The man in the white jump-suit) has done an outstanding job with our membership. Keeping track of 900 members is not an easy job. He also prints the address labels for the Scope, picks up the mail at our Post Office Box, and helps with the folding and stapling of the Scope each month. He has written a program Scroll.exe which allows members to have a computerized current membership roster in their computer. All this while keeping track of hats and badges.

Stan, W9FQN, has done an outstanding job with the many PARC activities he has taken on. He is the Editor of the Scope. He also is the Repeater Site Chairman. Stan organizes the site work parties, climbs the tower, in charge of all structures, does the calculations on the tower to make sure it is safe, and supervised the installation of the lightning protection. Stan keeps track of club owned equipment, and stores a lot of it at his QTH. He gives talks on Amateur Radio, and direction finding. He manages the autopatch system, is the Chief Control Operator, Net Control for the ARES Net on Sundays, and the PARC Code Practice. He has made his QTH available for many meetings, and Field Day. Stan has been a major contributor to PARC for over 13 years. He held the office of PARC President for seven years and has devoted more of his time to PARC than any other member I know. Stan has been and still is a major driving force in the growth of PARC.

John, WB6IQS, for many years has maintained and constructed many of the PARC repeaters. As Repeater Technical Chairman he has delegated the responsibility of several of the PARC repeaters to other Club Members as our repeater site grew. John has done an outstanding job in overseeing the technical aspects of our repeater system. His efforts have spanned 18 years of service to PARC.

Mike, AB6QT, has spent many hours maintaining our repeaters has built two repeaters and is in charge of the PARC picnic this year. He is active as a Director and has done a outstanding job this{year.

Marvin, WB6PKK, has evaluated the capabilities of our designated stations for emergency traffic, is working on new software for the 145.05 Packet Node He will also be in charge of the PARC Auction this year. Again a outstanding job.

Jack, KI6JM, is our Club Historian and Legal advisor. Although he does not hold an Office he is a valuable advisor to the Board of Directors. Jack is a past Vice President, put our Club Constitution in order, keeps me straight on my obligations as President, helps with VE Testing, usually leads the Flag Salute at our meetings, and opens his QTH for the folding and stapling of the Scope each Month. He is currently recovering from major surgery and we wish him a speedy recovery. Jack has done an outstanding job and is a well respected member of our Club.

While the President is the most visible Board member at the General Meetings, he can not be effective with out the help and support of the Board of Directors. I am very fortunate to have a very hard working and supportive Board of Directors. 73, Art, KC6UQH

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- Aug. BOARD MEETING -

BOARD: KC6UQH W6GIC KC6YSO KM6WG WB6IQS W9FQN KC6WAN AB6QT* WB6PKK (*ABSENT).

OTHERS: KB6MCU (ATV & Training), N6UWW (past FD Chair.), and Rod-KM6SN.

The 7pm meeting was at Marvin-

WB6PKK's QTH and started at 7:15+ and ended at 10:15pm.

Marvin served cookies & drink the group.

- SECONDS -

DISCUSSED: Year 100% completed and most accounts near where they should be for this time of the year; $4003 Equip. Bal, $824 Gen. Purpose, $9612 Pre. Paid, $? Post Office, $-0- ATV, $135 PALBBS; Field Day problems; TASMA; classes Bill-KB6MCU; membership 811; PARC banner; equipment inventory; insurance checking; nomination committee; FCC's Jerry Mann at PARC's site; Oct PARC auction; Nov two speakers; Dec Xmas program election; Jan Overbeck (VHF); SDCTN msg new PARC members; still using 147.13 emg rptr; WB6IQS 1270B TNC info; Tower agreement KM6SN-PARC; and need for charging DMV;

APPROVED: Next board meeting at Marvin-WB6PKK's QTH in Escondido; $500 lightning protection; $100 wire donation; $40 Eproms and programming; $35 trailer license; and $35 70cm WB9COY beam;

Contact a board member 4-info or C Secretary 4-minutes. =PARC=

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M E M B E R S H I P Ralph-KC6WAN

I AM SORRY IF YOUR LAST SCOPE INDICATED YOUR DUES WERE NOT PAID WHEN THEY REALLY WERE PAID. AT THE END OF THE YEAR THERE IS A LAG BETWEEN WHEN I HAVE TIME TO POST THEM AND WHEN THEY ARE RECEIVED.

3yrs= KD6DPJ-Pat Leming, AA6UU-Vern Leming, K6YGK-George & KD6FKP-Tom

2yrs= WA6THC-Ray N5QLG-JA AC6HI-Joel WD6AHX-Wayne KE6GGP-Ernie N6YMD-Joe KE6RTQ-Larry KD6WEO-Joe KK6IL-John WB6MEI-John KK6CD-Bruce KC6TYV-Art N6KVY-Dennis WA3IHV-Bob K3DLC-Bob N6UIA-Steve W9AOX-Don KA6QBH-L.J. KD6PPM-Tony

1yr= KE6PUU-Mat KC6CZO-Mark NONDF-Chris KO3W-Larry KE6NAN-Roger WA1TWW-DJ KM6XA-Joel KE6HRL-Tom N6QJE-Eleanore AC6GV-Brian KD6AZU-Shawn Mike-Donavan Farschin-Samimi W6JLU-Don KM6PN-Stan W6OLQ-John KN6IP-Mike KD6REU-James KD6KQJ-Conrad KK6RX-Salvator WA6MOS-Joe KK6NS-Phil KD6IAX-John N6CFY-Al W6SAX-Marsh KB6PCF-Marni W6FXL-Al N6VDZ-Larry KD6TVL-Adrian N6NWR-Byron AB6WX-Chris KI6TG-Chuck KE6KNP-Curt KE6MDG-D.J. KBOFDU-Cathy WA9LFR-James WA6HYB-Dan KC6VDY-Greg KE6MWD-Remy WBOYCQ-Henry W6RGR-Charlie KF6QH-Jim WA6WTZ-Llivia KE6TPP-John KE6PVV-Mat KE6SLK-Tim N6UZN-Joe N6MYN-Steve WB6TBA-Bob K6II-Ed K6UL-Mitch WI6B-Ron N6RAO-Loreen KE6CDN-Peter Nancy-Vollmer N6BA-Leo KC6QXU-Joe W3ARU-Pete WA6GPW-Nick W6XE-David K6PUN-Doug KU1Y-Bruce N6RBS-Ken W6HC-Charles KE6IX-John WA6HQM-Dave W6CGY-Leroy & W6TET-Ivan

CHANGES: Roger-KE6NAN from Tech to General; Susan Huggin upgraded from KD6PQS to KO6DV (adv);

73, Ralph 727-7415 =PARC=

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Thanks to:

ART-KB6YHZ & Anita-KB6YHY made the coffee and supervised the drink & goodies ..and members bringing goodies were: Duane-AA6EE, Bill-KM6PY, Lief-KE6BZP, Paul-N6ISC, Jerry-N6TCB and Norm-N6QQF.

THANKS TO THE GOODIE BRINGERS FOR HELPING MAKE THE CLUB MEETINGS A BIG SUCCESS.

Goodies were great and you were rewarded with ONE participation ticket. =SK=

If we miss anyone, please let your editor know WHO and WHEN. =SK=

KE6MKT for donating two RS-232 "break-out" boxes. One was put to use immediately in a club autopatch project.

Pat-KC6VVT for helping Lee-KA6PSG when he ran out of gas on a Sunday evening.

Dale-KC6WZI for the donation of a level ..to keep work parties on the level. =PARC=

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- AGOGO - K6HAV/KI6JM/W9FQN

(9-90)(5yr) ..meetings still at Lincoln Middle School ..Fred-KA6IXY on Mexican Off Road Races in Baja ..Stan-W9FQN now SCOPE editor after Ralph-K6HAV completed 17 years as the club's editor, repeater technical head two years, VE team leader 2+ years and VE examiner 4+ years, Field Day Chairman, official club Japanese translator, traffic net manager for PARC, and club president '68 and '69 ..PL of 107.2 added to output of 146.73 ..new autopatch codes for 147.13 and 146.175 ..Art-KB6YHZ taking over coffee and eats table at meetings ..Rusty-AA6OM is now running PARC VE team ..

(9-85(10yr) ..Auction and social Sept meeting ..Marty, K6NS (no smoking) is in the hospital in intensive care ..two 2m antennas removed for repair ..replaced by two 3-el beams donated by Merit, W6NLO ..Ed-N6GZI did the tower work ..repaired bad joint in the stationmaster (present 145.05 pkt antenna -Ed) and broken dipole on the 4-stacked dipoles (present 146.73 antenna which was bought new in 1973? -Ed) ..antennas were returned to the tower and worked ..voted to install 145.05 pkt repeater if cost less than $300 ..problems with KOJPK repeater on 146.73 located in L.A. ...

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JACK HANTHORN KI6JM

KI6JM entered the Marine Corps hospital on Camp Pendleton Thursday, July 27th, and had a large basketball size schwannoma growth removed from his mid-section on the 28th. The operation was a success taking only four of the eight hours planned and by Saturday he was sitting up.

Jack is an "old time" member of PARC (one of our club historians) and is best known among the newer club members from his work at the Saturday morning VE test sessions in Carlsbad. He is also known for his leading of the "Pledge of Allegiance" at club meetings and his jokes about his size ...which has now been considerably reduced.

This newsletter, The SCOPE, is folded, stapled, labeled, and sorted at Jack's QTH each month although this month it will be held at xyz since Jack has a doctor's appoint on August 29th.

Jack is recuperating at home and is doing well. He thanks all of you who sent cards, prayers, and well wishes. =PARC=

xyz = KC6WAN's QTH

If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate! Radio systems installation, repair and removal, and interferance resolution.

Edward Ross, N6GZI
542-1405

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Steve Grant, N6RUV
Division General Manager
(619) 565-4992

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REPEATER TECHNICAL John-WB6IQS

The following amateurs work hard at keeping our repeaters on the air.

W6NWG Trustee	: Ron	W.	WI6B
TECH. OPERATIONS	: John	K.	WB6IQS
52.680 6 meters	: Bill	B.	KC6YOX
145.050 Packet	: John	K.	WB6IQS
146.700 RTTY	: John	Q.	WB6IQS
146.730 Repeater	: Mike	D.	AB6QT
147.075 Repeater	: Art	M.	KC6UQH
147.130 Repeater	: Art	M.	KC6UQH
70c METRO Packet	: Paul	W.	KB5MU
449.425 Repeater	: Mike	D.	AB6QT
AmateurTV System	: Bill	S.	KB6MCU
Autopatch Sys(4)	: Jerry	H.	WB6FMT
Simplex Repeater	: Larry	R.	AB6LY
Pwr.Distribution	: Mike	P.	KD6VHI
Batteries,Gen.	: David	T.	KD6EBY
Site Oerations	: Stan	R.	W9FQN
WA6IPD Trustee	: Art	R.	WA6IPD
146.175 Repeater	: Art	R.	WA6IPD
KK6KD Trustee	: Geo	R.	KK6KD
224.380 Repeater	: Geo	R.	KK6KD
WD6HFR Trustee	: Paul	T.	N6PC
224.900 Repeater	: Paul	T.	N6PC

The 146.730(-) repeater went off the air mid-day, Monday the 14th. On the last work party the cover door was replaced and it could be that the repeater is heating up during the day with insufficient air circulation. This repeater shut down once before when it became too hot. Later in the day after having cooled off, it once again came "to life" and has stayed working.

Mike-AB6QT has removed the cover door to 146.73 and is going to install a fan to reduce temperatures. =PARC=

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Jerry-WB6FMT PATCHES Stan-W9FQN

CORRECTION: Members who have requested the AUTOPATCH INFORMATION sheet should note that there is at least one ERROR. Section 3 has 990-9 listed which should really be in section No.2. It is listed correctly on the small wallet size card which some of you might have (Tnx to Paul-WD6BRX for helping locate the error -Ed). =SK=

If you fail to bring up a patch with your access code, there are several things you might check on:

1)when you release your Push-To-TALK (PTT), you hear the repeater drop out (should be up).

2)when you release your PTT, you hear no DIAL TONE.

3)after successfully getting a dial tone and dialing your 7-diget number, you are returned to a DIAL TONE or a HIGH PITCHED continous tone.

4)after dialing the access code, you hear a busy signal.

In #1 you possibly had the wrong CODE for the repeater being used, or the autopatch has been turned off. Try 147.13 to see if you get the same results.

In #2 see #1 answer.

In #3 you have dialed the wrong section number and need to try the section next to the one you last used. Within the next 3-4 months it might also mean that the computer did not like the number you were calling and did an automatic "dump" of the phone you dialed. This will be automatic and you will hear NO shutdown tone over the repeater.

In #4 this means that the patch is being used on one of the four other repeaters that it is monitoring. Wait 2 minutes and try your call again. =SK=

Autopatch Section #3, in a garage in La Mesa, has had weak transmit audio (low deviation) around 8-13-95 and we were hampered in its repair for several reasons: 1)no one told us about it and 2)when we found about it we discovered that the owners of the garage were on vacation. On the Aug.15th it was sounding normal. Then around Aug.18 it again went low and was repaired on Aug.21.

There are 4 autopatch transmitters and 4 receivers (total 8) in the system since 1992 and we have had almost no problems with the equipment. Section #1 had a transmitter problem, Sections #2 & #3 had a control operator problem with the "filter" computers, and now section #3 had a cable problem and low deviation.

These transmitters and receivers are on 24 hours a day for almost 200,000 hours of continous

operation so we can expect to see some problems from time to time ..and the equipment is getting older (aren't we all -Ed).

We cannot repair problems we are not aware of so please give us a call when you suspect a problem. =SK=

Autopatches were turned off around 8pm, 8-14-95, because of a member twice timing out the patch within minutes with non-important use. They were returned to use around 11pm although 147.13 was monitored for emergency calls. =SK=

Our computer monitor listed the following sequence of events (minus repeater codes and person making the call) on August 7:

#	/date/time/sec/sect/ph#/			down
580	07 10:01 10	1	727-152.....#	
581	07 10:01 42	1	727-1535....#	
582	07 10:02 40	1	727-155.....#	
583	07 10:03 61	1	271-535.....#	
584	07 10:05 58	1	727-3515....#	

#580 failed because of improper sequence due to not having (or remembering) the number being called. Possibly this was realized since the sequence was stopped.

#581 has all of the proper digits but two pairs are reversed and they got the wrong number.

#582 dialed wrong number and never completed the sequence. There is the possibility that instead of an incomplete number that they did not hit the (3) between the two fives properly or a fade in signal dropped it. None of these things is the fault of the auotpatch. Besides, it was the wrong number being attempted.

#583 could have skipped a digit (1st 7) and then reversed two pairs.

#584 was a successful call and the sequence was remembered properly. To somone just listening, they might be inclined to believe there was a problem with the autopatch when in fact none of the problems were associated with the autopatch equipment.

Problems are usually associated with: 1)incorrect area being called, 2)incorrect dialed phone number, 3)poor signal with "missed digits", 4)no PL on 146.73, 5)BIG FINGERS punching small key pads, and 6)improperly cleared (with a "#") failed patch attempt. =PARC=

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W O R K P A R T I E S Stan-W9FQN

REPEATER SITE WORK PARTIES, IF HELD, ARE USUALLY SCHEDULED THE SUNDAY IMMEDIATELY FOLLOWING THE CLUB MEETING ..and as needed. We meet at MOTHER's KITCHEN on PMt at 10:30am. Please bring a lunch, drinking water, & 5-10gal of water for our little tree seedlings."

THE NEXT WORK PARTY WILL BE SUNDAY, SEPTEMBER 10th. MEET AT MOTHER'S KITCHEN PARKING LOT AT 10:30AM (leave your parking lights on if you don't have a Ham antenna on your car). REGISTER WITH STAN-W9FQN AT THE NEXT MEETING OR CALL HIM AT 749-0276 so that if the work party is cancelled, you can receive proper notification.

SCHEDULED: more alarm work; watering the little trees; drip irrigation system; more tower insulating; guy wire installation; tree trimming; replace 224.38 antenna; and of course, painting everything that doesn't move ...and some things that do!

We certainly could use your HELP. If you are new to amateur radio or an old timer who has never been to the site ...or were there years ago, pack up your things and come up an enjoy the mountain air with us ...and check out the repeater site. We promise you it will be educational and you will receive a personal tour of the site.

(8-06)#19 Another great day on PMt ..a little warm but cooler than most of SDCo!

David-KC6YSO, Joe-KE6WEO, and crew replaced the previous 6m antenna on the xyz tree with one of Gene-WB9COY's 6m antennas. SWR was 1:1. Joe did all of the climbing. David also replaced the repeater's 12vdc 6A supply with one of the club's 12A units. There still needs to be some additional work done to "harden" the antenna & coax before bad weather sets in this winter.

Zac-KE6MQB and Dennis-KE6MQC finished the fence work and continued working on the "additional" alarm system.

Art-KC6UQH replaced the 147.075 receiver strip with a new one and aligned one of our drifting recivers.

John-WB6IQS acted as a consultant to those working on the alarm and provided equipment and advice for the work being done on the new 6m repeater.

Tony-KC6YSP and his friend, Kurt Habetler, moved the 55gal water system drum to a new higher location so that we can drip irrigate our little trees. They also helped out as needed.

Dale-KC6WZI was our general handi-man and also prepared the new vacant metal building for repeater shelves.

Tom-KN6BN and his wife, Robin, did an excellent job of painting more of our "green" buildings battle ship gray. We still have some more painting to do. Tom and Robin also found out that a cubic foot of soil at the site weights 79 lbs/cu.ft. and not 100 lbs/cu.ft. which was originally used for all of our tower and guy calculations.

Stan-W9FQN kept busy helping out where needed after having brought up a truck load of items for the site.

Many thanks to Mike-KC6VHI for seeing to it that we had plenty of scrap tower insulating material but we ended up not using it for a lack of climbers.

(8-21)#20 Art-KC6UQH visited patch #3 in La Mesa and found an intermittent mic connector cord which was repaired. One of the two emergency batteries showed leakage and was removed. The transmitterwas found to be 1kc low in frequency and was adjusted.

(8-22)#21 Mike-AB6QT visited the repeater site for several hours to inspect the 146.73 repeater. The repeater was off the air for several hours while it was being inspected. =PARC=

The NiCad Lady

N6WPA

Battery Pack biting the dust? Get your power source rebuilt with NEW higher quality cells!

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- *Camcorders*
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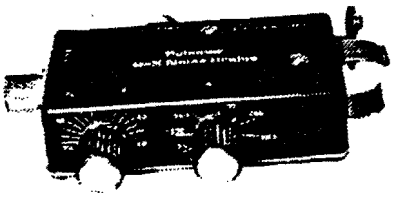
R-X Noise Bridge



- **Learn the truth about your antenna.**
- **Find its resonant frequency.**
- **Adjust it to your operating frequency quickly and easily.**

If there is one place in your station where you cannot risk uncertain results it is in your antenna.

The price is $79.95 in the U.S. and Canada. Add $4.00 shipping/handling. California residents add sales tax.

Send for FREE catalog describing the R-X Noise Bridge and our complete line of SWR Meters, Preamplifiers, Toroids, Baluns, VLF Converters, and Loop Antennas.

PALOMAR ENGINEERS

Box 455, Escondido, CA 92025
Phone: (619) 747-3343

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F O R E S A I L

Star aboard!

Ph/send ads 2 W9FQN (C Ed's addr) B4 20th of mo. w/ur NAME, CALL, Ph #, & CITY. Personal ads FREE 2 members. Others cost 25c/col. line (35spaces). =SK=

Block ads: business card (1/3rd col.) $5; 2/3rd col $10; 1 col $15; 4 card size (almost 1/2 horizontal page) is $20 per issue. Billed Feb, May, Aug, & Nov.

Keven Sanders, KN6FQ, in Escondido is now handling PARC's extensive tube bank. Contact Keven at 432-8381 for availability and prices.

***** N E W A D S *****

(PARC) 3600ct (1800v) @ .4A pwer transformer + chokes (contesters dream); Other assorted HV transformers $MO; Stan W9FQN 749 0276 for PARC.

(8-26) HP-2631B serial dot matrix printer wide carrage + stand: Jo-KB6NMK 741 2560 Escondido. (8-8) Baycom modem $30; Wilson DB-43 Duoband beam (4-el 15M + 3-el 10M) $125; Duane AA6EE 789 3674 Ramona.

(8-7) ICOM 730 HF mobile rig 10-80 meters, gud base also, manual, pwr, mic & mobile mic $600 or best offer: Curtis N6XXU 599 0178 Vista.

(8-5) ICOM BC-30 rapid charger new $25; Radio Engeneers Vector Finder VHF/FM DF unit new $25: Ivan W6TET 276 7148 SD.

(7-28) SBE-34 transceiver: Nash W6HCD 940 1028 Bonsall.

(7-18) Triaxe(?) Twr 52' crank-up ready to go w/new motor & orig paperwork $575; Two Sony stereo reel-reels for station recording $20ea; IBM Quietwriter printer/cut sheet feeder $20; Call/fax for list assortment major software for Windows; Mark KC6CZO Escondido.

(7-6) Near new Colorado internal tape backup 120MB $25; Duane AA6EE 789 3674 Ramona.

(7-6) TEN-TEC Triton 4 HF 100w xcvr w/CW filter & 262G pwr sup $295; Duane AA6EE 789 3674 Ramona.

(6-8) Hallicrafters SR 400a transceiver 550w 80-10m with pwr sup & mic mint $200; Antenna tuner 10-160m 300w with swr bridge (MFJ Versa 941c) $60; KW Amplifier 10-160m, Ameriton AL 80B (see May QST pg18) very few hours $550; "free" Mechanical code practice machine with 30 tapes FREE to 1st caller; Multi meter (50k/volt) Micronta 22-214A (like new) $15; Desk Mike Heil HM5 (like New) $10; 811A tubes (9) @ $3.50 each; Antennas 10-15-20 mini quad HQ1(new) $75 Butternut Vertical 10-160 (you take down) $25 (free 12ft roof mount tower to 1st person who purchases either antenna: Wayne W6RWV 724 0777 Vista.

(5-25) Yeasu FT-5200 dual band (2m/70cm) mobile ex/cond w/remote head and mobile mount $395: Phil KC6TYT 944 7741 Carlsbad.

(5-17) Tempo 2020 w/extra VFO $150; ICOM micro 2AT w/extra batteries, charger, mobile charger + accessories $200: Alf WB6TAW 941 2428 Vista.

(5-16) Heath Oscilloscope 10-18 5MHz $20; Chuscraft triband $100; Union Carbine RTTY $10; MITA copy machine 600D w/paper needs adjustment $10: Steve W2MRM 451 5690 R.Bernardo.

*****-OLD ADS PRINTED ON ODD MONTHS

%%%%%%%%%% W A N T E D %%%%%%%%%%

"Any old boat anchor"

(6-05) FT-243 crystals for 7.010 to 7.050 or somewhere near: Ron W6TUR 465 6129.

(6-2) EX SWAN tech does repair & refurbishing of Swan Xcvrs: John Bruchey, 4910 Verde Dr, Oceanside 92057.

(6-2) SWAN DIGITAL readout accesory DD-76; and circuit board vise: Nash W6HCD 940 1028 Fallbrook.

OLD WANTED PRINTED ODD MONTHS

(3-2)All types of Collins speakers and accessories (old-new): Agent 4-W4ESQ, Stan W9FQN 749 0276 VC.

(2-15) FALLBROOK HIGH SCHOOL will take any and all donations of amateur radio equipment. We need radios, a Tri-band Beam, etc. (it's all tax deductible). Please contact Fritz Schattschneider, KE6EKY, at 723-6357 or Gayle Olson, KM6WF at 723-6402.

PLEASE REPORT UNWANTED ADS TO UR EDITOR! =PARC=

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W E E K E N D NO-CODE C L A S S

On September 29, 30, and October 1st, at the San Diego West Marine, Gordon West, WB6NOA, will be conducting a no-code Technician class with the FCC examination being given Sunday afternoon.

Featured will be live equipment demonstrations, talks on repeater systems, tests for kids 7-14, Mexican XE2 licenses, ship grounding, testing for the disabled, Saturday night workshop (6-9pm), how to choose and install your new radio sets, etc. (your editor several years ago talked to one of his classes on repeater systems -Ed).

The cost is $195 which includes the Saturday night seminar, Gordon West textbook, study manual, 3-ring binder, charts, maps, $50 in equipment discount coupons, snacks and beverages.

To register send your check payable to RADIO SCHOOL INC, 2414 College Dr, Costa Mesa, CA 92626 (714-549-5000 days).

Needed is your full name, day & evening phone, address, city, and ZIP code. =SK=

(..AND DON'T FORGET KB6MCU's GENERAL CLASS STARTING SEPT.11th AT CARLSBAD SAFETY CENTER -Ed). =PARC=

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L E T T E R S to the E D I T O R

UR editor and the board reserve the right to publish/edit all letters.

Reference Aug95 SCOPE, President's Wavelength ..there is an unfortunate error which I think should be corrected ..it reads "Ruf, KR6K, has supplied us with MARS Traffic in the past, and through no fault of his own, the MARS group has decided to not allow him to refile MARS traffic through a non MARS Net."

MARS operations are governed by a Naval Telecommunications Procedures Manual, NTP 8(B). Paragraph 629 therein provides specific instructions to the MARS operators how to accept NTS (National Traffic System of which PARC's SDCTN is a member -Ed) traffic and reformat it to MARS requirements and paragraph 630 provides similar instructions on how to refile MARS messages into the Amateur Radio Services (NTS).

Paragraph 420 ...says: "Only personal messages may be refiled into the amateur radio service. Messages are to be refiled into the amateur radio service only when it is impracticable to effect delivery via MARS channels without undue delay. Before refile is effected, it is necessary that the message be converted into the proper (NTS) format. Under no circumstances will a MARS message be refiled in the military format."

Simply stated, that language has been interpreted to mean that if a MARS operator receives a message for delivery to a phone number in his local calling area, he or she should deliver the message by phone. If it is outside his/her local calling area, it may be refiled into NTS. MARS has written a program that takes a MARS message and converts it into NTS format and that program is available to MARS operators. We also know that there are some locations in San Diego county which are outside the local calling area of any MARS operators. Very shortly, those message will be segregated and can be pulled off a MARS AMTOR mailbox for immediate refiling into NTS.

MARS recognizes that NTS plays an important role in its mission to effectuate timely delivery of personal messages and I hope that this clears up any misunderstanding of MARS policy and procedures in this area.

Should you have any questions, please do not hesitate to contact me (Signed: G.W. Roos, KO6BU, MARS Callsigns: NNNOHUI & NNNOASE THIRTEEN). =PARC=

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1 4 6 . 7 0 0 (-) P A C K E T

The past problems with the 146.7- duplex packet repeater appear to have not been the repeater (XMTR/RCVR) but after leaving the repeater (antenna & duplexer).

The new duplexer for 146.7- has the following test results:

INSERTION LOSS:

Tx to Ant 1.4dB, Rx to Ant 1.4dB

TX to RX ISOLATION:

At 146.7 88dB, At 146.1 90db

We hope that most of these problems are now behind us and that club members (and others) will enter PALBBS thru 146.7- rather than thru one of the available nodes on .07 so that packets are not lost at PALBBS due to "desense" of KJ6ZD's equipment.

Recent reports on 146.7- have been very good ..so give it a try.

Remember, 146.7- is not connected to any NODE or DIGI so you are limited to connections with:

a)PALBBS run by Norbert-KJ6ZD-Vista (just issue a ..... 'C PALBBS')

b)Station-to-Station contacts. (ie W9FQN to N6YZZ ...'C N6YZZ')

Be sure to set your TX Delay to about 550ms. When PALBBS is busy you might want to issue a few CARRAGE RETURNS to keep the circuit active. This should keep you from getting TIMED OUT by PALBBS or by YOUR TNC. =PARC=

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RADIO COMMUNICATIONS de KD6PZB

During the past year I have had the good fortune to provide radio communications for "Special Event Activities".

As an Amateur Radio Operator, most of us would agree that the main purpose for our hobby is to provide emergency and/or routine radio communications, in time of need. There are many organizations within our area that would benefit from our skills as radio operators. Some of the groups that I have worked with are:

ELITE RACING

Tour de North County - Vista Oct

Tour de S. Co.- Chula Vista July

GUACAMOLE GRANDE

Bicycle Ride thru North Co. . May

LOST BOYS 50 MILE TRAIL RUN

Anza Borrego to Cuyamacas . . May

VISTA HIGH SCHOOL . . . . . May

Martin Luther King Walk for Peace

In the past I have called friends that I know to help with

these events but sometimes at the last minute I am not able to come up with enough communicators when these individuals have a change in plans.

Therefore, I would like to get a minimum of fifty operators that would consider volunteering for various events that I could call when I come up short.

The majority of these events require less than ten operators per event. Therefore, you might be asked to work one or two events per year ..or if you wanted, you could volunteer to work all of them. I want this to be fun and enjoyable for you.

Please consider filling out the AMATEUR RADIO COMMUNICATIONS form and return it to me ASAP. If you know of anyone else that might be interest, please include their call and phone number if you know it.

Call:_____ Expires_____
Name:_____
Addr:_____
City:_____ Zip_____
HmPh_____ WrkPh_____
Best time to call: _____ AM / PM
Circle: PACKET ATV 2-M 220 440
HF Other_____
Previous event experience yes / no
Available to work:AM / PM / Anytime
Weekdays / Weekends / _____
Freq monitored: _____ Pl_____
_____ Pl_____ _____ Pl_____
Member of: ARES RACES EVAC REACT
Comments:_____
_____
_____

Send to: Pat McDonald, POB 393
Vista CA 92085-0393

=PARC=

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A T T E N D A N C E W9FQN

Attendance at approved functions are awarded with PARTICIPATION points and are recorded in the GIANT PARC COMPUTER by me the day following the meeting.

We would like to give credit where credit is due and sometimes that is difficult. If you do not print your call in capital letters and very plainly, your call will likely go into the computer with some of the following changes: R<=>P, U<=>V, I<=>T, O<=>Q, and almost any other combinations you can think of writing down. Please check for variations of your call.

We also have problems with associate members getting their new call letters and then they are in the data base under two calls. For example, LINDA ROHRER with no license would have the call ROHLIN and when she received N6YZZ it was recorded that way on the sign-in sheets. If I know of the change, a "word search" can easily replace all ROHLIN's with N6YZZ in less than a second ..if I know about it.

Reporting your new or changed call to Ralph-KC6WAN, the club's membership chairman will not correct the loss of points but it will correct HIS records. BUT not mine, since I record ONLY what you write on the sign-in sheets.

If you have changed your call or now have a new call, please write in the margin of the sign-in sheet your old call or indicate you were an associate without a call ...and everything will be changed immediately.

PLEASE CHECK PAGE 10 AND SEE IF YOU CAN SPOT ANY PROBLEMS WHICH NEED TO BE REPORTED TO ME BEFORE THE PICNIC ON SEPTEMBER 17TH.

LEFT SHEET: 12mtgs + last year's picnic = 13pts (our year ran from Aug1'94 to Jul31'95).

RIGHT SHEET: Left sheet totals + participation points in approved club activities: nets, construction, work parties, Field Day, Del Mar Fair, committee head, board meetings, goodies, VE program, sponsor of new member, technician, and other things too humorous to mention.

If you feel there has been an error made, please contact me ASAP.

=PARC=

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- D O N A T I O N S -

The Palomar Amateur Radio Club has been very fortunate to have members who look out for the club in various ways.

TOM KADIEN, KC6ZVI, for the donation of a Meirick 1,120 watt Mod 1400 UPS unit which is in working order but needs 6v or 12v batteries to be fully functional. Stan-W9FQN has removed the 4AHr batteries and installed an outside connection for two 12v batteries in series for the 24v required by the unit. It is now in service with the club's autopatch computer. =SK=

BILL BOWEN-N6FMK located three more UPS power supplies (not working) which he has donated to the club for its use on Field Day and for several other projects. Stan-W9FQN now has all three working and one will probably be used with the proposed ARES DATA and PALBBS backup computer.

IVAN SIMPSON-W6TET donated a FM-2016A 2m base to the club to be used with PALEMG (ARES BBS). He also donated two non-working commercial ICOM IC H-2's, and six tape recorders which will be used on club projects. =PARC=

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- N E W S - etc.

Contributions by the 20th)

Please send "newsworthy" items 2-UR Editor Via PALBBS, letters, notes, or hand them to me at club meetings.

Chuck Inskeep-W6IRM is still "inspecting 4-miles" of the Oceanside waterfront each morning and can be found on 146.730 talking to his sons and acting as "net control" for the morning "commute" group. =SK=

Gene-N6SAN "horses" around showing off his horses at shows. He and Jim-KF6QH ought to get together sometime. =SK=

Some commercial VHF HT's are marked with colored dots:

.....Red Dot 151.625 MHz
.....Blue Dot 154.570 MHz
.....Green Dot 154.600 MHz
.....Black Dot 167.730 MHz

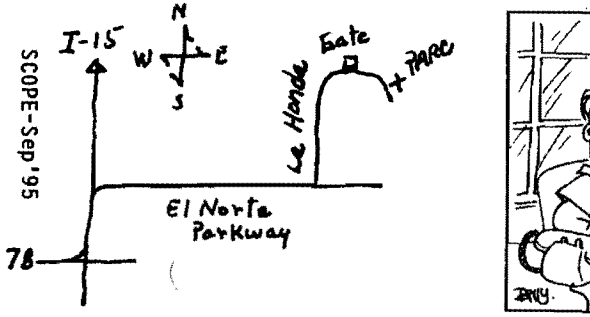
=SK=

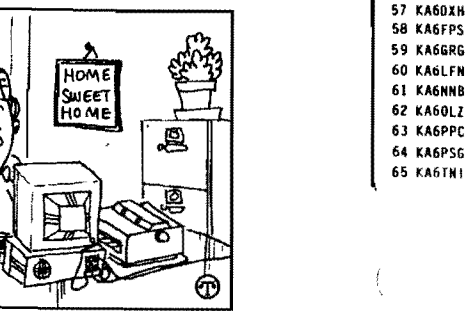
- de A R R L L E T T E R -

If you are anxiously awaiting a brand new (first) call sign, you may call the ARRL at 800-326-3942, between 8 AM and 4 PM Eastern Time, to easily and quickly find out the status of your license. Please wait at least seven days after your exam before calling.

Listing is by (### CALL%%%), find ### and we will then give you your TOTAL tickets = %%%. Attendance PTS= 1334 .

1	AA6EE	11	57	KA6URU	3	113	KD6FQS	1	169	KE6GXP	8	225	KE6DHX	1	281	KM6WG	1	337	N6QJE	3	393	WA3IHV	1
2	AA6DM	1	58	KA8ZIM	1	114	KD6HVN	1	170	KE6HRL	7	226	KE6OSM	1	282	KM6XA	1	338	N6QQF	4	394	WA3WOD	4
3	AA6TR	12	59	KB5MU	2	115	KD6HYS	2	171	KE6HZE	1	227	KE6DXX	1	283	KN6AB	2	339	N6QW	1	395	WA5BNH	5
4	AA7GL	2	60	KB6AQS	1	116	KD6JRQ	1	172	KE6IEN	2	228	KE6OXZ	1	284	KN6BN	4	340	N6RHS	1	396	WA5BVH	1
5	AB5XE	1	61	KB6CKM	1	117	KD6JXY	2	173	KE6IGW	1	229	KE6PHU	1	285	KN6FQ	1	341	N6SMW	4	397	WA6AUK	3
6	AB6IU	5	62	KB6CPA	1	118	KD6KIR	3	174	KE6ILN	4	230	KE6PTR	1	286	KN6IP	2	342	N6TCB	2	398	WA6BEJ	4
7	AB6PU	1	63	KB6CPS	1	119	KD6KXH	3	175	KE6ILP	6	231	KE6PTX	1	287	KN6JP	1	343	N6TEP	9	399	WA6BLT	2
8	AB6QT	1	64	KB6CPZ	8	120	KD6LPO	4	176	KE6IQL	1	232	KE6PTZ	1	288	KN6DL	2	344	N6URW	8	400	WA6HYC	8
9	AB6WX	3	65	KB6MCU	11	121	KD6LQY	1	177	KE6IQQ	1	233	KE6PUA	1	289	KN6OQ	1	345	N6UWW	13	401	WA6JXE	1
10	AB6XE	1	66	KB6NMK	13	122	KD6LUK	1	178	KE6IQV	3	234	KE6PY	1	290	KN6TX	4	346	N6UZH	1	402	WA6MHZ	9
11	AC6EA	2	67	KB6NML	1	123	KD6LUO	3	179	KE6JOR	1	235	KE6PZD	1	291	KN6ZD	2	347	N6VOZ	1	403	WA6QIS	1
12	AC6FM	4	68	KB6QC	3	124	KD6O8G	7	180	KE6JGJ	7	236	KE6QIM	3	292	KO3W	5	348	N6WPA	3	404	WA6THC	1
13	AC6HI	4	69	KB6RY	4	125	KD6PBH	7	181	KE6JGK	1	237	KE6QIQ	4	293	KO6BT	11	349	N6WQR	5	405	WA6TIL	1
14	AC6JG	1	70	KB6YHY	7	126	KD6PTZ	1	182	KE6JO1	3	238	KE6QV	1	294	KO6BU	6	350	N6XCC	2	406	WA6UKL	5
15	AC6KR	1	71	KB6YHZ	12	127	KD6PZ8	2	183	KE6JOJ	2	239	KE6QXM	4	295	KO6BX	4	351	N6XXV	1	407	WA6UTQ	1
16	AC6OA	1	72	KB7RAG	2	128	KD6QK	2	184	KE6JQL	7	240	KE6RGK	1	296	KO6BY	1	352	N6YMO	5	408	WA6UTZ	1
17	AC6V	5	73	KC4QAA	1	129	KD6QMA	1	185	KE6JQS	1	241	KE6RTP	2	297	KO6CR	4	353	N6ZUC	3	409	WA6VKL	1
18	AF7M	5	74	KC6BJM	5	130	KD6RFM	4	186	KE6JXY	1	242	KE6RTQ	2	298	KO6OV	3	354	N7USR	3	410	WA6YOO	9
19	BOXLON	3	75	KC6OVO	1	131	KD6RFQ	2	187	KE6KOJ	5	243	KE6RTR	1	299	KO6IQ	2	355	N7VSR	1	411	WA6YUM	1
20	CHEALL	1	76	KC6ICG	1	132	KD6SP8	7	188	KE6KDP	1	244	KE6SEH	4	300	KO6SI	2	356	N9PVF	1	412	WA9LFR	5
21	COMJEA	1	77	KC6JBQ	1	133	KO6SXF	1	189	KE6KNL	1	245	KE6SQI	1	301	KO6SM	9	357	N9YMJ	5	413	WATODN	2
22	COREST	3	78	KC6MWJ	2	134	KD6VAN	1	190	KE6KNM	1	246	KE6TEA	2	302	KO6WY	1	358	NE6O	6	414	WBOYCQ	4
23	CORMAR	1	79	KC6MWR	1	135	KD6VHI	4	191	KE6KNN	4	247	KE6TEC	1	303	KU1Y	1	359	NW6W	1	415	WBOYXQ	1
24	CORROB	4	80	KC6PVN	4	136	KD6VMZ	3	192	KE6KNP	1	248	KE6T1A	1	304	KZ6X	1	360	PINNOR	1	416	W82KIH	1
25	CURROG	1	81	KC6PVD	1	137	KD6WDE	5	193	KE6KTC	1	249	KE6TXQ	1	305	MAGBR1	3	361	SILLES	1	417	WB65JV	1
26	OIAJES	1	82	KC6QHQ	1	138	KD6YJB	8	194	KE6LBY	2	250	KE6TZO	2	306	MAROEN	2	362	SMITER	1	418	WB6AXW	3
27	DIFLOU	1	83	KC6QHT	1	139	KO6ZSH	7	195	KE6LGM	1	251	KE6URT	1	307	MARZAC	2	363	VE2EQ	1	419	WB6BKR	10
28	DONWAR	1	84	KC6QXU	3	140	KE6BBX	1	196	KE6LGV	3	252	KE6URU	1	308	MASJUO	1	364	VE6RGP	1	420	WB6GXR	5
29	GALJAN	1	85	KC6TCL	1	141	KE6BG1	8	197	KE6LGW	1	253	KE6VJF	1	309	MIRMAR	1	365	WIFM	1	421	WB6IQS	10
30	GARROG	1	86	KC6TXN	1	142	KE6BUB	3	198	KE6LGX	5	254	KE6VJL	1	310	MIRVER	1	366	W2DCA	1	422	WB6JAR	2
31	GUNROG	1	87	KC6TYT	1	143	KE6BUE	8	199	KE6LME	2	255	KE6WAG	1	311	NOHWB	1	367	W3ARU	7	423	WB6JVS	3
32	GURRDG	1	88	KC6UQH	9	144	KE6BZ1	1	200	KE6LOX	1	256	KE6YSO	1	312	N2OCA	8	368	W6BAW	1	424	WB6LEH	2
33	HAMBIL	1	89	KC6UWH	1	145	KE6BZJ	1	201	KE6LSX	1	257	KEYDA	1	313	N5QLG	5	369	W6OVZ	3	425	WB6MEI	1
34	HARBIL	2	90	KC6VOX	10	146	KE6BZM	1	202	KE6LZS	2	258	KF6BL	1	314	N6AFB	1	370	W6EYP	4	426	WB6NBU	1
35	JONGER	8	91	KC6VVT	9	147	KE6BZP	1	203	KE6MQB	9	259	KF6C	12	315	N6ALA	5	371	W6GIC	13	427	WB6PKK	12
36	K3PXX	4	92	KC6WAN	11	148	KE6CBK	2	204	KE6MQC	9	260	KF6QH	1	316	N6CDU	1	372	W6HCO	8	428	WB6R	7
37	K6ICG	7	93	KC6WQH	2	149	KE6CBX	1	205	KE6MRW	1	261	KH6TL	5	317	N6ELK	1	373	W61RM	2	429	WB6TAW	1
38	K6LNJ	1	94	KC6WQI	1	150	KE6COH	7	206	KE6MTT	5	262	KI6CP	1	318	N6ELP	3	374	W6MK	5	430	WB6WOA	3
39	K6LYL	1	95	KC6WZ1	9	151	KE6CDJ	4	207	KE6MYY	5	263	KI6GO	4	319	N6ELW	2	375	W6MYV	9	431	WB6YLT	3
40	K6PGF	1	96	KC6YDX	1	152	KE6CXO	8	208	KE6MWA	4	264	KI6JM	9	320	N6FLW	1	376	W6NKB	9	432	WB8EJ1	1
41	K6QJP	1	97	KC6YOX	11	153	KE6OFA	2	209	KE6MWB	4	265	KI6M	1	321	N6FMK	7	377	W6NLO	1	433	WB9COY	3
42	K6QL	3	98	KC6YSO	11	154	KE6OHP	1	210	KE6MWG	2	266	KI6RF	1	322	N6FYJ	2	378	W6NYV	1	434	WD6AFJ	1
43	K6RTO	1	99	KC6YSP	1	155	KE6DRA	1	211	KE6MYE	2	267	KI6YG	7	323	N6GZ1	4	379	W6OOU	1	435	WD6AHW	7
44	K6YGE	2	100	KC6ZRV	1	156	KE6DZ?	1	212	KE6MYH	1	268	KJ6LS	1	324	N61SC	9	380	W6OLQ	7	436	WD6AHX	1
45	K6YGK	9	101	KC6ZVI	1	157	KE6DZK	1	213	KE6NAD	1	269	KJ6NA	3	325	N61ZW	1	381	W6OYJ	1	437	WD6BRX	1
46	K6ZST	2	102	KC9LV	3	158	KE6DZR	1	214	KE6NAN	3	270	KJ6ZO	3	326	N6JQK	3	382	W6PQO	1	438	WD6FWE	10
47	K9OH	1	103	KD66EF	1	159	KE6EDR	1	215	KE6NAQ	2	271	KK6GO	3	327	N6K1	2	383	W6RWV	4	439	WI6B	1
48	KA2EVE	1	104	KO6AKT	7	160	KE6EJF	1	216	KE6NLX	1	272	KK6LX	8	328	N6NN1	2	384	W6TOC	10	440	WN6K	4
49	KA3ZYP	2	105	KD6BFQ	1	161	KE6EJG	1	217	KE6NLY	4	273	KK6NS	1	329	N6DE1	1	385	W6TF8	5	441	WN6S	1
50	KA6DXH	11	106	KD68FR	1	162	KE6EUE	2	218	KE6NLZ	1	274	KK6TV	5	330	N6OPP	1	386	W6TXK	1	442	WV6Z	2
51	KA6FPS	4	107	KD6BU	1	163	KE6EUM	1	219	KE6NPN	1	275	KK6YB	3	331	N6OYG	1	387	W6YYV	9	443	WZ3P	2
52	KA6GRG	3	108	KD6CKT	9	164	KE6EZZ	1	220	KE6NZQ	1	276	KM6MW	8	332	N6PDZ	1	388	W7HK1	2	444	ZZZZZZ	1
53	KA6LFN	1	109	KD6CYH	2	165	KE6FHS	1	221	KE6OCC	2	277	KM6PY	11	333	N6PEA	1	389	W8MOF	1	445		0
54	KA6OLZ	3	110	KD6OO	1	166	KE6FIL	1	222	KE6OH	1	278	KM6SX	1	334	N6PXA	1	390	W9BZE	1	446		0
55	KA6PSG	1	111	KD6EBY	1	167	KE6GGP	1	223	KE6OHT	5	279	KM6TN1	1	335	N6QDB	1	391	W9FQN	13	447		0
56	KA6TNI	5	112	KD6EFQ	2	168	KE6GSK	1	224	KE6OHV	1	280	KM6WF	3	336	N6QHE	1	392	WA0IAK	3	448		0





Listing is by (### CALL%%%), find ### and we will then give you your TOTAL tickets = %%%. Attendance PTS= 1740 .

1	AA6EE	14	66	KA6URU	3	131	KO6DPJ	5	196	KE6GXP	8	261	KE6DSM	1	326	KM6TNI	1	391	N6QQF	9	456		
2	AA6OM	14	67	KA8ZIM	1	132	KO6EBY	21	197	KE6HRL	10	262	KE6OXX	1	327	KM6WF	11	392	N6QW	1	457	WA0IAK	3
3	AA6TR	16	68	KB5MU	14	133	KO6EDC	1	198	KE6HZE	1	263	KE6OXZ	1	328	KM6WG	19	393	N6RHS	1	458	WA3IHV	1
4	AA6UQ	1	69	KB6AQS	1	134	KO6EFQ	2	199	KE6HZF	2	264	KE6PHU	1	329	KM6XA	3	394	N6RUV	1	459	WA3WOD	4
5	AA6UU	5	70	KB6CKM	1	135	KO6FQS	1	200	KE6IEN	2	265	KE6PTR	1	330	KN6AB	2	395	N6SMW	4	460	WA5BNH	5
6	AA7GL	3	71	KB6CPA	1	136	KO6HVN	1	201	KE6IGW	1	266	KE6PTX	1	331	KN6BN	4	396	N6TCB	15	461	WA5BVH	1
7	AB5XE	1	72	KB6CPS	1	137	KO6HYS	2	202	KE6ILN	5	267	KE6PTZ	1	332	KN6FQ	1	397	N6TEP	19	462	WA6AUK	3
8	AB6IO	1	73	KB6CPZ	8	138	KO6JRQ	1	203	KE6ILP	6	268	KE6PUA	1	333	KN6IP	2	398	N6URW	10	463	WA6BEJ	4
9	AB6IU	6	74	KB6JGG	2	139	KO6JXX	1	204	KE6IQL	1	269	KE6PY	1	334	KN6JP	1	399	N6UWW	32	464	WA6BKH	1
10	AB6PU	1	75	KB6MCU	78	140	KO6JXY	22	205	KE6IQQ	1	270	KE6PZD	1	335	KN6NX	1	400	N6UZH	3	465	WA6BLT	2
11	AB6QT	44	76	KB6MNK	5	141	KO6KIR	3	206	KE6IQU	5	271	KE6QIM	5	336	KN6DL	2	401	N6VOZ	3	466	WA6GIC	5
12	AB6WX	3	77	KB6MU	5	142	KO6KXH	3	207	KE6IQV	3	272	KE6QIQ	4	337	KN6DQ	1	402	N6WEF	3	467	WA6HYC	17
13	AB6XE	1	78	KB6NMK	35	143	KO6LPO	6	208	KE6JDR	1	273	KE6QV	1	338	KN6TX	4	403	N6WEG	2	468	WA6JXE	1
14	AC6EA	2	79	KB6NML	1	144	KO6LQY	1	209	KE6JGJ	7	274	KE6QXM	4	339	KN6ZO	2	404	N6WPA	3	469	WA6MHZ	10
15	AC6FM	6	80	KB6QC	5	145	KO6LUK	1	210	KE6JGK	1	275	KE6RGK	1	340	KO3W	5	405	N6WQR	14	470	WA6QIS	1
16	AC6HI	4	81	KB6RY	4	146	KO6LUO	3	211	KE6JDI	5	276	KE6RTP	2	341	KO6BT	18	406	N6XCC	2	471	WA6QQQ	2
17	AC6JG	1	82	KB6YHY	16	147	KO6DBG	9	212	KE6JOJ	5	277	KE6RTQ	2	342	KO6BU	6	407	N6XXV	1	472	WA6THC	1
18	AC6KR	1	83	KB6YHZ	23	148	KO6PBH	14	213	KE6JQL	7	278	KE6RTR	1	343	KO6BX	4	408	N6YMD	11	473	WA6TIL	6
19	AC6OA	3	84	KB7RAG	2	149	KO6PTZ	1	214	KE6JQS	1	279	KE6SEH	5	344	KO6BY	1	409	N6ZUC	5	474	WA6UKL	5
20	AC6V	6	85	KC4QAA	1	150	KO6PZB	2	215	KE6JXY	1	280	KE6SQI	1	345	KO6CR	5	410	N7USR	4	475	WA6UTQ	9
21	AF7M	6	86	KC6AUX	1	151	KO6QK	2	216	KE6KDJ	5	281	KE6SQJ	1	346	KO6OV	3	411	N7VSR	1	476	WA6UTZ	1
22	BOXLON	3	87	KC6BJM	5	152	KO6QMA	1	217	KE6KDP	1	282	KE6TEA	2	347	KO6IQ	3	412	N9PVF	1	477	WA6VKL	1
23	CHEALL	1	88	KC6DVD	1	153	KO6RFM	4	218	KE6KNL	1	283	KE6TEC	1	348	KO6SI	3	413	N9YMJ	5	478	WA6YOO	37
24	COMJEA	1	89	KC6ICG	1	154	KO6RFQ	2	219	KE6KNM	1	284	KE6THZ	1	349	KO6SM	10	414	NATPIT	1	479	WA6YUN	1
25	COREST	3	90	KC6JBQ	1	155	KO6SPB	7	220	KE6KNN	6	285	KE6TIA	1	350	KO6WY	1	415	NE6O	8	480	WA9LFR	5
26	CORMAR	1	91	KC6LV	4	156	KO6SXF	1	221	KE6KNP	1	286	KE6TXQ	1	351	KU1Y	1	416	NU6L	2	481	WATODN	2
27	CORROB	4	92	KC6MWJ	2	157	KO6TYX	2	222	KE6KTC	1	287	KE6TZO	2	352	KZ6X	4	417	NW6W	1	482	WBOYCQ	4
28	CRYLOP	1	93	KC6MWR	1	158	KO6VAN	1	223	KE6KTE	2	288	KE6URR	1	353	MAGBRI	5	418	PINNOR	1	483	WBOYXQ	1
29	CURROG	1	94	KC6PAS	1	159	KO6VHI	28	224	KE6LBY	2	289	KE6URT	1	354	MAROEN	2	419	RICROS	1	484	WB2KIH	1
30	OIAJES	1	95	KC6PVN	6	160	KO6VJB	1	225	KE6LGM	1	290	KE6URU	2	355	MARZAC	2	420	SALLY	1	485	WB65JV	1
31	OIATYL	1	96	KC6PVO	4	161	KO6VMZ	3	226	KE6LGV	3	291	KE6URV	2	356	MASJUO	1	421	SILLES	1	486	WB6AXW	3
32	OIFLOU	1	97	KC6QHQ	1	162	KO6WDE	5	227	KE6LGW	6	292	KE6VJF	1	357	MIKR1B	1	422	SMITER	1	487	WB6BKR	10
33	OONWAR	1	98	KC6QHT	1	163	KO6YJB	10	228	KE6LGX	5	293	KE6VJL	1	358	MIRMAR	1	423	SUE	1	488	WB6FMT	23
34	GALJAN	1	99	KC6QXU	4	164	KO6ZSH	7	229	KE6LGY	1	294	KE6VX	11	359	MIRVER	1	424	TAMMY	1	489	WB6GXR	10
35	GARROG	1	100	KC6TCL	1	165	KO6ZST	2	230	KE6LME	2	295	KE6WAG	1	360	NOHWB	1	425	VE2EQ	1	490	WB6IQS	56
36	GUNROG	1	101	KC6TXN	1	166	KE6BBX	2	231	KE6LOX	1	296	KE6WDE	5	361	N2OCA	8	426	VE6RGP	1	491	WB6IWS	9
37	GURRDG	1	102	KC6TYT	2	167	KE6BGI	15	232	KE6LSX	1	297	KE6YSO	1	362	N5QLG	5	427	WIFM	1	492	WB6JAR	3
38	HAMBIL	1	103	KC6UQH	52	168	KE6BUB	3	233	KE6LZN	1	298	KE6YSP	1	363	N6AFB	1	428	W2DCA	1	493	WB6JVS	3
39	HARBIL	2	104	KC6UQN	1	169	KE6BUE	8	234	KE6LZS	2	299	KEYDA	1	364	N6ALA	8	429	W3ARU	7	494	WB6LEH	2
40	JONGER	10	105	KC6UWH	1	170	KE6BZ1	1	235	KE6MQB	19	300	KF6BL	3	365	N6COU	1	430	W6BAW	3	495	WB6MEI	1
41	KO6IQ	1	106	KC6YDX	12	171	KE6BZJ	1	236	KE6MQC	17	301	KF6C	15	366	N6ELK	1	431	W6OVZ	3	496	WB6NBU	2
42	K3PXX	11	107	KC6VHI	3	172	KE6BZM	1	237	KE6MRW	1	302	KF6QH	1	367	N6ELP	4	432	W6EYP	9	497	WB6PKK	25
43	K6ICG	7	108	KC6VVT	9	173	KE6BZP	1	238	KE6MRX	2	303	KF6QI	1	368	N6ELW	2	433	W6GIC	38	498	WB6R	11
44	K6LNJ	1	109	KC6WAN	51	174	KE6CBK	2	239	KE6MTT	10	304	KH6TL	12	369	N6FLW	1	434	W6HCD	26	499	WB6TAW	1
45	K6LYL	1	110	KC6WQH	2	175	KE6CBX	1	240	KE6MVY	5	305	KI6CP	1	370	N6FMK	9	435	W61RM	2	500	WB6WDA	3
46	K6FGF	1	111	KC6WQI	1	176	KE6COH	9	241	KE6MWA	4	306	KI6GD	4	371	N6FYJ	2	436	W6MK	5	501	WB6YLT	3
47	K6QJP	1	112	KC6WZ1	11	177	KE6COJ	12	242	KE6MWB	4	307	KI6JM	41	372	N6FYK	1	437	W6MYV	14	502	WB8EJI	1
48	K6QL	3	113	KC6YDX	1	178	KE6CXO	8	243	KE6MWD	2	308	KI6LU	1	373	N6GZ1	5	438	W6NKB	9	503	WB9COY	6
49	K6RTO	1	114	KC6YDX	34	179	KE6DFA	2	244	KE6MWG	2	309	KI6M	1	374	N6ISC	19	439	W6NLO	2	504	WD6AFJ	1
50	K6YGE	2	115	KC6YSD	42	180	KE6DHP	1	245	KE6MYE	2	310	KI6RF	1	375	N6IZ2	5	440	W6NYV	1	505	WD6AHW	8
51	K6YGK	19	116	KC6YSP	2	181	KE6DRA	3	246	KE6MYH	1	311	KI6YG	12	376	N6IZW	6	441	W6OOU	1	506	WD6AHX	14
52	K6ZST	2	117	KC6ZRV	1	182	KE6OZ?	1	247	KE6NAO	1	312	KJ6LS	1	377	N6JQK	4	442	W6DLK	5	507	WD6AHY	1
53	K9OH	1	118	KC6ZVI	1	183	KE6DZK	1	248	KE6NAN	3	313	KJ6NA	4	378	N6KI	3	443	W6OLQ	7	508	WD6BRX	1
54	KA2EVE	1	119	KC9LV	3	184	KE6OZR	1	249	KE6NAQ	2	314	KJ6ZO	15	379	N6KVP	1	444	W6OYJ	1	509	WD6FWE	13
55	KA3ZYP	2	120	KO66EF	1	185	KE6EDR	1	250	KE6NLX	1	315	KK6GO	3	380	N6NNI	4	445	W6PQO	1	510	WI6B	1
56	KA5Q	1	121	KO6AHX	5	186	KE6EJF	1	251	KE6NLY	4	316	KK6KO	14	381	N6OEI	1	446	W6QCA	5	511	WN6K	4
57	KA6DXH	11	122	KO6AKT	11	187	KE6EJG	1	252	KE6NLZ	1	317	KK6LX	12	382	N6DLE	13	447	W6RWV	4	512	WN6S	1
58	KA6FPS	7	123	KD6BFQ	1	188	KE6EUE	2	253	KE6NPN	1	318	KK6NS	1	383	N6DPP	1	448	W6TOC	10	513	WV6Z	2
59	KA6GRG	3	124	KO68FR	1	189	KE6EUM	2	254	KE6NXY	1	319	KK6TV	5	384	N6DYG	1	449	W6TFB	15	514	WZ3P	2
60	KA6LFN	1	125	KD6BU	1	190	KE6EZZ	1	255	KE6NZQ	1	320	KK6YB	3	385	N6PDZ	1	450	W6TXK	1	515	XE2TRO	2
61	KA6NNB	2	126	KO6BUE	6	191	KE6FHS	1	256	KE6OCC	2	321	KM6MW	12	386	N6PEA	1	451	W6YYV	10	516	XE2UGF	2
62	KA6OLZ	3	127	KO6CKT	9	192	KE6FIL	1	257	KE6OH	1	322	KM6PY	21	387	N6PXA	1	452	W7HKI	2	517	ZZZZZZ	1
63	KA6PPC	2	128	KO6CYH	2	193	KE6GGP	1	258	KE6OHT	5	323	KM6SM	1	388	N6QDB	1	453	W8MOF	1	518		0
64	KA6PSG	2	129	KO6DKM	8	194	KE6GGQ	2	259	KE6OHV	1	324	KM6SN	2	389	N6QHE	1	454	W9BZE	1	519		0
65	KA6TNI	5	130	KO6OO	1	195	KE6GSK	1	260	KE6OHX	1	325	KM6SX	1	390	N6QJE	3	455	W9FQN		520		0

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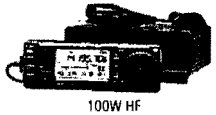
2M HT, 5W opt.
40 Memories
Encode Built-In
CALL NOW!

ICOM

IC - 706*

HF/VHF Transceiver



100W HF
100W 6 Meters
10W 2 Meters
Call For Introductory Pricing!

This device has not been approved by the Federal Communications Commission. This device is not and may not be offered for sale or lease, or sold or leased until the approval of the FCC has been obtained.

ICOM

IC - 775/DSP

HF Transceiver

200W HF Transceiver • 101 memories
DSP built-in • Digital noise reduction
Digital automatic notch • Digital LPF and HPF
QSK, Digital CW filter • Built-in AC supply
Twin PBT • Dual watch
Call Now For The Ultimate Radio!

PARC Membership Application

AMATEUR CALL	
CLUB MEMBERSHIP?	☐ NEW ☐ RENEW
ARRL MEMBER?	☐ YES ☐ NO
LAST NAME	
FIRST NAME	
STREET ADDRESS	
CITY	
STATE ZIP	
HOME PHONE	
WORK OR OTHER PHONE	
HAM LICENSE EXPIRES	
FAMILY MEMBERSHIP (List other calls and names)	1993
CLASS OF LICENSE	N T T+ G A E

Sep.'95 S.Call?:_____
(Sponsor's call not required)

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Membership $12/yr including $3 for SCOPE inside SDCo (outside $4).

POSTMASTER: Return to -> S C O P E
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3-99 President, Board Meeting . .
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. Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to membership chairman at club meetings. We prefer checks to cash, it's safer and you have a record. Dues are $12 a year which includes $3 for the Scope, or $21 for a family all at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman.

Name, call and complete address are required. Telephone number is requested but may be unlisted in roster if you prefer.

For notification of acceptance and an autopatch information and code sheet send SASE with application or the receipt of the next newsletter mailed the last week of each month will be your only notification.

The new ARRL North American Repeater Atlas is out and features repeater maps for every US state, Canadian province, Mexico, Central America, and the Caribbean! (Dealers have it, or it's available direct from ARRL HQ).

North Korea has been added to the ARRL DXCC Countries List.
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Sept. 17th

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